**Ex\_39: Flamingo FC\_Soccer**

**Model.**

Parameters:

:*Minutes of play of player in match j,*

*C : Maximum minutes of play for the players returning from an injury.*

Decisions:

: *Whether practice game must be played,*

Objective: *Maximize minutes of play for the group of 6 players*

\*

Constraints:

1) Maximum minutes of play for players returning form injury

{0,1} (2) Binary decision

Notes:

**Optimal Solution.** The following is the solution obtained from Excel Solver.



The maximum minutes of play for this group achieved are 1891 by selecting to play the games as shown in the solution.

A screenshot of a cell phone

Description automatically generated